538,922

10/538922 Res'd PCT/PTO 13 JUN 2005

(12) INTERNATIONAL A. LICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



. HERRY CHINEDO IN CORNO CIAN CENA CENA CORNO CACA PROPERTION CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONT

(43) International Publication Date 1 July 2004 (01.07.2004)

PCT

(10) International Publication Number WO 2004/055180 A1

(51) International Patent Classification⁷: A01K 67/207, A61K 48/00

C12N 9/88,

[FR/FR]; 104, Avenue de la Dhuys, F-93170 Bagnolet (FR).

beau, 20, rue de Chazelles, F-75847 Paris Cedex 17 (FR).

(21) International Application Number:

PCT/IB2003/005282

(22) International Filing Date: 31 October 2003 (31.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

02293085.3

13 December 2002 (13.12.2002) E

(71) Applicant (for all designated States except US): CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) [FR/FR]; 3, Rue Michel Ange, F-75016 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BOUTIN, Philippe [FR/FR]; 133, Bois D'Achelles, F-59200 Tourcoing (FR). DUBOIS, Séverine [FR/FR]; 43, Avenue des Lilas, F-80800 Vecquemont (FR). DINA, Christian [FR/FR]; 16, rue Saulnier, F-75009 Paris (FR). FROGUEL, Philippe (74) Agents: MARTIN, Jean-Jacques et al.; Cabinet Regim-

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,

UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF DIAGNOSIS OF OBESITY

(57) Abstract: The invention relates to new methods of diagnosis and therapy of obesity, in particular morbid obesity, based on the identification of polymorphisms in the 5' region of the gad2 gene.